

## Hydrocolloid Dressings for Wound Healing

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**Abstract :** In the medical and surgical fields, wound care is a critical and expansive industry. Hydrocolloid wound dressings have been introduced and are widely used due to their effectiveness in promoting healing, managing wound fluids, and protecting against infection. Hydrocolloid wound dressings have been introduced as effective solutions, adherence to wound surfaces and infection prevention. It fabricated different hydrocolloid wound dressings with myrrh resin, garlic and sorrel in order to enhance healing properties. The physical and mechanical properties were evaluated to confirm which one is most suitable as a hydrocolloid wound dressing. Its observations show that mirderm solution showed superior wound healing and fluid control properties compared to other prepared solutions. This indicates that "mirderm" could be a viable alternative to standard gauze and some commercial hydrocolloid dressings that do not contain myrrh.

**Keywords :** wound, hydrocolloid, myrrh, garlic, sorrel

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